



# Lightweight, Low Cost Chemical/Biological Resistant Tentage Materials

## What It Is:

**Desert heat, wind, rain, arctic cold...**tents are exposed to all these harsh elements of the environment. We're developing a family of affordable materials that will perform in these conditions and resist chemical and biological (CB) agents, resist ultraviolet radiation and retard flame.

## Why It's Needed:

Two CB-resistant materials are currently used in shelters. One is a low cost, disposable liner material that lacks flame and ultraviolet resistance. It doubles the weight, volume and set-up time of a shelter system. The other material is a proprietary laminate that is fairly difficult to manufacture and also rather expensive.

## How It Works:

The most promising new tentage materials will be stronger and more durable than materials available now. We're studying four different candidates:

- High performance and decontaminable material;
- Low cost and disposable material;
- Modified TEMPER material (used for our general purpose tent);
- Self-decontaminating material.

## Benefits:

**Improved Performance...**Our high performance material should cost 50% less, weigh 25% less and offer better abrasion resistance.

**Smooth Production...**Ease of manufacturing will be a major factor as we select new CB-resistant materials.

## Point of Contact:

### Collective Protection Liaison

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